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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/617,360	07/11/2003	Noah Dan	07980001AA	1512

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SUITE 340
RESTON, VA 20190

EXAMINER

ROCHE, TRENTON J

ART UNIT	PAPER NUMBER
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2193

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/617,360

Applicant(s)

DAN ET AL.

Examiner

Trenton J. Roche

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 December 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is responsive to communications filed 5 December 2006.
2. Per Applicants' request, amended claims 1 and 6 have been entered. Newly added claims 11-18 have been added. Claims 1-18 are currently pending and have been examined.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim 5 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
5. Claim 5 recites the limitation "said vertical pre-configuration" in line 2. There is insufficient antecedent basis for this limitation in the claim. For purposes of examination, the claim will be interpreted to read "in a vertical pre-configuration."

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-4, 6-9 and 11-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 7,080,092 to Upton.

Per claims 1, 6 and 11-14:

Upton discloses:

- an incomplete application, constructed in an application language (“adapters...can be developed that allow a client application 100 to communicate with an Enterprise Information System 104 through the use of an application view...” in col. 5 lines 9-11. The application is incomplete in that it requires accessing the EIS.)
- business process requirements applicable to said application in a specified enterprise environment (“A user can tailor an application view...for a specific business purpose.” in col. 4 line 67 to col. 5 line 1.)
- a plurality of reusable service components constructed in said language for adaption to an enterprise area, said enterprise area including said specified enterprise environment (“adapters...can be developed that allow a client application 100 to communicate with an Enterprise Information System 104 through the use of an application view...” in col. 5 lines 9-11. Further, “any number of application views can be created...” in col. 7 lines 60-61)
- a framework for completing said incomplete application using said reusable service components, and said language, responsive to said business process requirements (“integration framework, which can provide a systematic, standards-based architecture for hosting application views.” in col. 5 lines 57-59. Further, “The resulting application view can satisfy the business data requirements...” in col. 16 lines 60-61. The creation of the views completes the functionality of the incomplete application.)

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- a vertical application pre-configuration constructed for adaptation to said enterprise area (“allow a client application 100 to communicate with an Enterprise Information System...” in col. 5 lines 10-11)
- a toolkit for using said language to build reusable service components from scratch (“J2EE Connector architecture provides a standardized approach for the development of adapters...” in col. 3 lines 61-62)
- wherein said computer application is maintained responsive to changes in said business process requirements by using said framework to complete said incomplete application using said reusable service components and said language responsive to said business process requirements revised to incorporate said changes (“An existing application view can be modified to account for definition errors, incomplete definition, change in business purpose...[t]he resulting application view can satisfy the business data requirements...” in col. 15 lines 59-63)

substantially as claimed. While Upton discloses creating or building reusable components (“A user can create an application view...” in col. 14 line 65) and discloses that the reusable service components can be deployed on an application server (“After defining an application view, it can be deployed on an application server.” in col. 15 lines 40-41), Upton does not explicitly disclose that the components are built on the application server itself. Official Notice is taken that at the time the invention was made, it would have been obvious to one of ordinary skill in the art to build the reusable service components on the application server as opposed to a different computer, as building the components on the system in which they are to be deployed will reduce deployment time, as the components are already local to the application server.

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Per claims 2, 7 and 15:

Upton further discloses Java as claimed (“J2EE...” in col. 3 line 55)

Per claims 3, 8 and 16:

Upton further discloses the reusable components being a session bean as claimed (“An application view is an object, which can be implemented...as a stateless session JavaBean.” in col. 5 lines 21-22)

Per claims 4, 9 and 17:

Upton further discloses maintaining a legacy application as claimed (Note Figure 4 item 410)

8. Claims 5, 10 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 7,080,092 to Upton in view of “Enterprise JavaBeans, Second Edition” to Monson-Haefel.

Per claims 5, 10 and 18:

Upton does not explicitly disclose the reusable service components being shrink-wrapped in a vertical preconfiguration. Monson-Haefel discloses that at the time the invention was made, it was well known in the art to “shrink-wrap” session bean classes (“we can shrink-wrap the TravelAgent bean so that it’s ready for deployment...” in section 4.3.7). It would have been obvious to one of ordinary skill in the art at the time the invention was made to shrink-wrap the service components, as this would prepare the components for easy deployment.

Response to Arguments

9. Applicant's arguments with respect to claims 1-10 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trenton J. Roche whose telephone number is (571) 272-3733. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Trenton J. Roche
Examiner
Art Unit 2193

TJR


WENG-AL T. AU
SUPERVISORY PATENT EXAMINER